

Amendments to the Claims

Claim 1 (original): An article comprising: a rotatable base having one or more through channels that permit fluid flow between an inner surface and a outer surface of said base; a porous material covering at least a portion of the outer surface of said base, said porous material interlocked with the rotatable base.

Claim 2 (original): The article of claim 1 wherein the porous material fills one or more of said through channels.

Claim 3 (original): The article of claim 1 wherein said porous material covers a portion of the inner surface of said rotatable base.

Claim 4 (original): The article of claim 1 said rotatable base further include a fitting for mounting said base to a rotating shaft.

Claim 5 (original): The article of claim 1 wherein said porous material is a pad having one or more nodules.

Claim 6 (original): The article of claim 1 wherein the porous material interlocks with the rotatable base through an adhering porous pad layer.

Claim 7 (original): The article of claim 1 wherein porous pad interlocks with the rotatable base by filling one or more of said through channels.

Claim 8 (original): The article of claim 1 wherein the porous material is cast or molded on the outer surface of said base.

Claim 9 (original): An article comprising: a rotatable base with an adherent porous pad material having protrusions cast on said rotatable base, said porous pad covering at least a portion of the rotatable base surface, said adherent porous pad permitting fluid flow through the adherent porous pad.

Claim 10 (original): The article of claim 9 wherein the rotatable base includes a first layer of an adherent porous material, said adherent porous pad material having protrusions cast on top of said first layer.

Claim 11 (original): The article of claim 9 wherein the rotatable base is a housing having through holes.

Claim 12 (original): An article for removing material from a substrate comprising: a rotatable base, said base including an inner surface and an outer surface, said rotatable base having a plurality of channels; and a porous pad material covering at least a portion of the outer surface of said base, said porous pad material filling one or more of said channels in said base and interlocking said porous pad material with said base.

Claim 13 (original): The article of claim 12 wherein the channels fluidly connect said inner surface with said outer surface of the base.

Claim 14 (original): The article of claim 12 wherein said base is a tube.

Claim 15 (original): The article of claim 12 wherein said base is a disk.

Claim 16 (original): The article of claim 12 further wherein said porous pad material covering at least a portion of the outer surface of said base includes protrusions on the surface of said porous pad material.

Claim 17 (original): The article of claim 12 wherein said pad material covers a portion of the inner surface of said base.

Claim 18 (original): The article of claim 12 wherein the pad has a monolithic structure.

Claim 19 (original): The article of claim 12 wherein the porous pad material includes polyvinylalcohol.

Claim 20 (original): The article of claim 12 wherein said porous pad material distributes fluid from the inner surface of said base to the outer surface of said base through said porous pad material.

Claim 21 (original): An article for removing material from a substrate comprising: a rotatable base including an inner surface and an outer surface; a porous pad material covering at least a portion of the outer surface of said base for removing material from substrates, said porous pad material interlocking with said base; said porous pad material interlocked with said base maintaining the alignment of protrusions on the surface of said porous pad material.

Claim 22 (original): The article of claim 21 wherein the base further includes one or more through channels fluidly connecting said inner surface with said outer surface of said base.

Claim 23 (original): The article of claim 21 further including a source of pressurized fluid, said pressurized fluid in fluid communication with the porous material in the channels of said base through the inner surface of said base.

Claim 24 (original): The article of claim 21 wherein said porous pad material distributes fluid from the inner surface of said base to the outer surface of said base through said porous pad material.

Claims 25-30(canceled)

Claim 31 (original): An article comprising: a rotatable base having one or more through channels that permit fluid flow between an inner surface and a outer surface of said base; a molded porous material covering at least a portion of the outer surface of said base, said porous material interlocked with the rotatable base.

Claim 32 (original): The article of claim 31 wherein the porous material fills one or more of said through channels.

Claim 33 (original): The article of claim 31 wherein said porous material covers a portion of the inner surface of said rotatable base.

Claim 34 (original): The article of claim 31 said rotatable base further include a fitting for mounting said base to a rotating shaft.

Claim 35 (original): The article of claim 31 wherein said porous material is a pad having one or more nodules.

Claim 36 (original): The article of claim 31 wherein the porous material interlocks with the rotatable base through an adhering porous pad layer.

Claim 37 (original): The article of claim 31 wherein porous pad interlocks with the rotatable base by filling one or more of said through channels.

Claim 38 (original): The article of claim 31 wherein the porous material is cast or molded on the outer surface of said base.

Claims 39-54 (canceled)

Claim 55 (original): An article for removing material from a substrate comprising: a rotatable base having one or more through channels that permit fluid flow between an inner surface and a outer surface of said base; a porous material covering at least a portion of the outer surface of said base, said porous material interlocked with the rotatable base, one or more fittings mating with said rotatable base.

Claim 56 (original): The article of claim 55 wherein the porous pad material interlocks with the channels of the base.

Claim 57 (original): The article of claim 55 wherein the porous pad material covering the base and interlocking with said channels fluidly connects the inner and outer surfaces of said base.

Claim 58 (original): The article of claim 55 wherein said fittings are mated to said base by bonding.

Claim 59 (original): The article of claim 55 wherein the fittings include a fluid fitting and a machine drive tool fitting.

Claim 60 (original): The article of claim 55 wherein a the fluid fitting is a machine drive tool fitting.

Claim 61 (original): The article of claim 55 wherein said rotatable base is adaptable to different material removal tools by mating fittings with said base.

Claim 62 (original): An article for removing material from a substrate comprising: a rotatable base interlocked with a porous pad material having protrusions, said base including an inner surface and an outer surface; channels in the base for

distributing fluid for removing material from a substrate to the porous pad material from said inner surface to said outer surface of said base; said porous pad material covering at least a portion of the outer surface of said base for removing material from substrates, one or more fittings mating with said rotatable base.

Claim 63 (original): The article of claim 62 wherein the porous pad material interlocks with the channels of the base.

Claim 64 (original): The article of claim 62 wherein the porous pad material covering the base and interlocking with said channels fluidly connects the inner and outer surfaces of said base.

Claim 65 (original): The article of claim 62 wherein said fittings are mated to said base by bonding.

Claim 66 (original): The article of claim 62 wherein the fittings include a fluid fitting and a machine drive tool fitting.

Claim 67 (original): The article of claim 62 wherein the fluid fitting is a machine drive tool fitting.

Claim 68 (original): The article of claim 62 wherein said rotatable base can be used on different material removal tools by mating one or more fittings with said base.

Claim 69 (original): The article of claim 62 wherein said rotatable base is a brush for scrubbing semiconductor wafers.